

### R E M A R K S

Careful review and examination of the subject application are noted and appreciated.

### SUPPORT FOR CLAIM AMENDMENTS

Support for the amendment to the claims can be found, for example, on page 12 of the specification. In particular, page 12, lines 7-9 discusses the circuit 204 dropping one progressive frame. Page 12, lines 15-17 describes a frame-based filtering of the rescaler circuit.

### CLAIM REJECTIONS UNDER 35 U.S.C. §103

The rejection of claims 1-16 under 35 U.S.C. §103 as being unpatentable over Reitmeier, 486 has been obviated by appropriate amendment and should be withdrawn.

Reitmeier teaches a synchronize/multiple format video processing method and/or circuit for implementing a zoom in digital video (Title).

In contrast, the present invention provides an apparatus comprising a de-interlacer circuit, a rate converter circuit and a zoom circuit. The de-interlacer circuit may be configured to generate a first progressive signal having a first rate in response to an interlaced signal. The rate converter circuit may be configured to generate a second progressive signal having a second

rate in response to the first progressive signal. The zoom circuit may be configured to generate an output video signal in response to the second progressive signal by filtering one progressive frame out of each of a fixed number of frames of said first progressive signal. The output video signal may represent a portion of the second progressive signal having a frame size equal to a frame size of the interlaced signal. The references, alone or in combination, do not teach or suggest such limitations.

In particular, Reitmeier is silent regarding a converter circuit configured to generate a second progressive signal having a second rate in response to a first progressive signal by filtering one progressive frame out of each of a fixed number of frames of said first progressive signal. For example, Reitmeier is completely silent regarding filtering any frames at all. Therefore, Reitmeier is silent, and therefore does not teach or suggest, filtering one progressive frame out of each of a fixed number of frames of the first progressive signal. Despite the conclusions that the modification outlined by the Examiner would be "high in redundancy", there is nowhere in Reitmeier that teaches or suggests filtering frames of a progressive signal, as presently claimed. Therefore, the presently claimed invention is fully patentable over Reitmeier and the rejection should be withdrawn.

Furthermore, claim 3 is independently patentable over the cited reference. Claim 3 provides that the vertical zoom comprises

a frame filtering vertical zoom. Since Reitmeier is completely silent regarding frame filtering, Reitmeier cannot teach or suggest such filtering. Therefore, claim 3 is independently patentable over the cited reference and the rejection should be withdrawn.

As such, the presently claimed invention is fully patentable over the cited references and the rejection should be withdrawn.

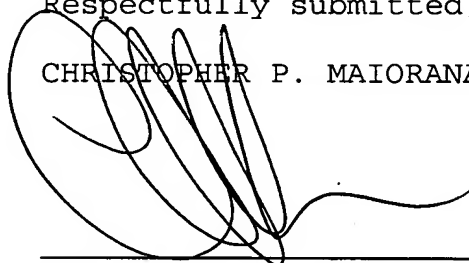
Accordingly, the present application is in condition for allowance. Early and favorable action by the Examiner is respectfully solicited.

The Examiner is respectfully invited to call the Applicant's representative at 586-498-0670 should it be deemed beneficial to further advance prosecution of the application.

If any additional fees are due, please charge Deposit Account No. 12-2252.

Respectfully submitted,

CHRISTOPHER P. MAIORANA, P.C.

A handwritten signature in black ink, appearing to read 'Christopher P. Maiorana', is written over a horizontal line. The signature is stylized with large, overlapping loops.

Christopher P. Maiorana  
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